

## SEQUENCE LISTING

&lt;110&gt; ARES TRADING S.A.

&lt;120&gt; C1Q RELATED PROTEIN

&lt;130&gt; P035721WO

&lt;140&gt; PCT/GB2004/004544

&lt;141&gt; 2004-10-27

&lt;150&gt; GB 0325038.8

&lt;151&gt; 2003-10-27

&lt;160&gt; 48

&lt;170&gt; SeqWin99, version 1.02

&lt;210&gt; 1

&lt;211&gt; 846

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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tccaggcct caggacctga gttctccgac gccacatga catggctgaa ctttgtccgg   180
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&lt;210&gt; 2

&lt;211&gt; 282

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

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Gly Gly Val Gly Ala Arg Arg Glu Ala Gln Arg Thr Gln Gln Pro Gly
1           5           10           15

Gln Arg Ala Asp Pro Pro Asn Ala Thr Ala Ser Ala Ser Ser Arg Glu
          20           25           30

Gly Leu Pro Glu Ala Pro Lys Pro Ser Gln Ala Ser Gly Pro Glu Phe
          35           40           45

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Ser Asp Ala His Met Thr Trp Leu Asn Phe Val Arg Arg Pro Asp Asp  
 50 55 60

Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp  
 65 70 75 80

Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr  
 85 90 95

Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg  
 100 105 110

Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg  
 115 120 125

Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val  
 130 135 140

Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala  
 145 150 155 160

Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg  
 165 170 175

Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His  
 180 185 190

Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp  
 195 200 205

Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr  
 210 215 220

Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr  
 225 230 235 240

Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser  
 245 250 255

Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly  
 260 265 270

Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr  
 275 280

<210> 3  
 <211> 663  
 <212> DNA  
 <213> Homo sapiens

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 ttcggtcccc caggacctcc aggtgcagaa gtgaccgcgg agactctgct tcacgagttt 120  
 caggagctgc tgaaagaggc cacggagcgc cggttctcag ggcttctgga cccgctgctg 180  
 ccccgagggg cgggcctgcg gctggtgggc gaggcctttc actgccggct gcaggggtccc 240

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tccggcatct tccagttctc tgccagtctg cacgtggacc acagtgagct gcagggcaag 420
gcccggtgc gggcccgga cgtggtgtgt gttctcatct gtattgagtc cctgtgccag 480
cgccacacgt gcctggagga cgtctcagga ctggagagca acagcagggt cttcacgcta 540
caggtgcagg ggctgctgca gctgcaggct ggacagtacg cttctgtgtt tgtggacaat 600
ggctccgggg ccgtcctcac catccaggcg ggctccagct tctccgggct gctcctgggc 660
acg

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<210> 4
<211> 221
<212> PRT
<213> Homo sapiens

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Pro Arg Asp Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val Thr
20 25 30

Ala Glu Thr Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr
35 40 45

Glu Arg Arg Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala
50 55 60

Gly Leu Arg Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro
65 70 75 80

Arg Arg Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala
85 90 95

Pro Ala Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala
100 105 110

Ser Gly Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala
115 120 125

Ser Leu His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg
130 135 140

Ala Arg Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln
145 150 155 160

Arg His Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg
165 170 175

Val Phe Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln
180 185 190

Tyr Ala Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile
195 200 205

Gln Ala Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr

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210                                215                                220

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<212>    DNA
<213>    Homo sapiens

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acggagcgcc ggttctcagg gcttctggac ccgctgctgc cccagggggc gggcctgcgg    180
ctggtgggcg aggcctttca ctgccggctg cagggtcccc gccgggtgga caagcggacg    240
ctggtggagc tgcattggtt ccaggctcct gctgcccaag gtgccttcct gcgaggctcc    300
ggtctgagcc tggcctcgga tcggttcacg gccccgctgt ccggcatctt ccagttctct    360
gccagtctgc acgtggacca cagtgagctg cagggcaagg cccggtgcg ggcccgggac    420
gtggtgtgtg ttctcatctg tattgagtc ctgtgccagc gccacacgtg cctggaggcc    480
gtctcaggcc tggagagcaa cagcagggtc ttcacgctac aggtgcaggg gctgctgcag    540
ctgcaggctg gacagtacgc ttctgtgtt gtggacaatg gtcgccgggc cgtcctcacc    600
atccaggcgg gctccagctt ctccgggctg ctctgaggca cg                                642

<210>    6
<211>    214
<212>    PRT
<213>    Homo sapiens

<400>    6
Lys Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro
1                                5                                10                                15

Pro Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu
20                                25                                30

Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu
35                                40                                45

Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu
50                                55                                60

Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr
65                                70                                75                                80

Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe
85                                90                                95

Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro
100                               105                               110

Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser
115                               120                               125

Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val
130                               135                               140

Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala
145                               150                               155                               160

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Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln  
 165 170 175

Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp  
 180 185 190

Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser  
 195 200 205

Gly Leu Leu Leu Gly Thr  
 210

<210> 7  
 <211> 636  
 <212> DNA  
 <213> Homo sapiens

<400> 7  
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 gaagtgaccg cggagactct gcttcacgag ttccaggagc tgctgaaaga ggccacggag 120  
 cgccggttct cagggcttct ggacccgctg ctgccccagg gggcgggcct gcggctggtg 180  
 ggcgaggcct ttcaactgcc gctgcagggc cccgcgcggg tggacaagcg gacgctggtg 240  
 gagctgcatg gtttccaggc tctgtgtgcc caaggtgcct tctgtcgagg ctccggtctg 300  
 agcctggcct cgggtcgggt caccggcccc gtgtccggca tcttccagtt ctctgccagt 360  
 ctgcacgtgg accacagtga gctgcagggc aaggcccgcc tgcgggcccg ggacgtggtg 420  
 tgtgttctca tctgtattga gtccctgtgc cagcgccaca cgtgcctgga ggccgtctca 480  
 ggcttgagga gcaacagcag ggtcttcacg ctacaggtgc aggggctgct gcagctgcag 540  
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 gcgggctcca gcttctccgg gctgctcctg ggcacg 636

<210> 8  
 <211> 212  
 <212> PRT  
 <213> Homo sapiens

<400> 8  
 Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro Pro Gly  
 1 5 10 15

Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu Phe Gln  
 20 25 30

Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu Leu Asp  
 35 40 45

Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu Ala Phe  
 50 55 60

His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr Leu Val  
 65 70 75 80

Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe Leu Arg  
 85 90 95

Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro Val Ser  
 100 105 110

Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser Glu Leu  
 115 120 125

Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val Leu Ile  
 130 135 140

Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala Val Ser  
 145 150 155 160

Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln Gly Leu  
 165 170 175

Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp Asn Gly  
 180 185 190

Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser Gly Leu  
 195 200 205

Leu Leu Gly Thr  
 210

<210> 9  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<400> 9  
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 gcctcgggtc ggttcacggc ccccggtgcc ggcatcttcc agttctctgc cagtctgcac 240  
 gtggaccaca gtgagctgca gggcaaggcc cggctgcggg cccgggacgt ggtgtgtgtt 300  
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 gagagcaaca gcagggtctt cagcgtacag gtgcaggggc tgctgcagct gcaggctgga 420  
 cagtacgctt ctgtgtttgt ggacaatggc tccggggccg tcctcaccat ccaggcgggc 480  
 tccagcttct ccgggctgct cctgggcacg 510

<210> 10  
 <211> 170  
 <212> PRT  
 <213> Homo sapiens

<400> 10  
 Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg  
 1 5 10 15

Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val  
 20 25 30

Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala  
 35 40 45

Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg  
 50 55 60  
 Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His  
 65 70 75 80  
 Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp  
 85 90 95  
 Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr  
 100 105 110  
 Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr  
 115 120 125  
 Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser  
 130 135 140  
 Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly  
 145 150 155 160  
 Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr  
 165 170

<210> 11  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<400> 11  
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 ttctgtcgag gctccggtct gagcctggcc tcgggtcggt tcacggcccc cgtgtccggc 120  
 atcttccagt tctctgccag tctgcacgtg gaccacagtg agctgcaggg caaggcccgg 180  
 ctgcgggccc gggacgtggt gtgtgttctc atctgtattg agtccctgtg ccagcgccac 240  
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 caggggctgc tgcagctgca ggctggacag tacgcttctg tgtttgtgga caatggctcc 360  
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<210> 12  
 <211> 139  
 <212> PRT  
 <213> Homo sapiens

<400> 12  
 Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala  
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 Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly  
 20 25 30  
 Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu  
 35 40 45  
 His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg  
 50 55 60

Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His  
65 70 75 80

Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe  
85 90 95

Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala  
100 105 110

Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala  
115 120 125

Gly Ser Ser Phe Ser Gly Leu Leu Gly Thr  
130 135

<210> 13  
<211> 405  
<212> DNA  
<213> Homo sapiens

<400> 13  
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gacgtggtgt gtgttctcat ctgtattgag tccctgtgcc agcgccacac gtgcctggag 240  
gccgtctcag gcctggagag caacagcagg gtcttcacgc tacaggtgca ggggctgctg 300  
cagctgcagg ctggacagta cgcttctgtg ttgtggaca atggctccgg ggccgtcctc 360  
accatccagg cgggctccag cttctccggg ctgctcctgg gcacg 405

<210> 14  
<211> 135  
<212> PRT  
<213> Homo sapiens

<400> 14  
Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala  
1 5 10 15

Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala  
20 25 30

Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His  
35 40 45

Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys  
50 55 60

Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu  
65 70 75 80

Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val  
85 90 95

Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val



100 105 110

Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe  
115 120 125

Ser Gly Leu Leu Leu Gly Thr  
130 135

<210> 15  
<211> 864  
<212> DNA  
<213> Homo sapiens

<400> 15  
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tcccaggcct caggacctga gttctccgac gccacatga catggctgaa ctttgtccgg 180  
cggccggacg acggcgcctt aaggaagcgg tgcggaagca gggacaagaa gccgcgggat 240  
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ggcacgcacc atcaccatca ccat 864

<210> 16  
<211> 288  
<212> PRT  
<213> Homo sapiens

<400> 16  
Gly Gly Val Gly Ala Arg Arg Glu Ala Gln Arg Thr Gln Gln Pro Gly  
1 5 10 15

Gln Arg Ala Asp Pro Pro Asn Ala Thr Ala Ser Ala Ser Ser Arg Glu  
20 25 30

Gly Leu Pro Glu Ala Pro Lys Pro Ser Gln Ala Ser Gly Pro Glu Phe  
35 40 45

Ser Asp Ala His Met Thr Trp Leu Asn Phe Val Arg Arg Pro Asp Asp  
50 55 60

Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp  
65 70 75 80

Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr  
85 90 95

Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg

100	105	110
Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg 115 120 125		
Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val 130 135 140		
Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala 145 150 155 160		
Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg 165 170 175		
Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His 180 185 190		
Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp 195 200 205		
Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr 210 215 220		
Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr 225 230 235 240		
Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser 245 250 255		
Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly 260 265 270		
Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His His His His His 275 280 285		

<210> 17  
 <211> 681  
 <212> DNA  
 <213> Homo sapiens

<400> 17  
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 caggagctgc tgaaagaggc cacggagcgc cggttctcag ggcttctgga cccgctgctg 180  
 ccccgagggg cgggcctgcg gctggtgggc gaggcctttc actgccggct gcagggtccc 240  
 cgccgggtgg acaagcggac gctggtggag ctgcatggtt tccaggctcc tgctgcccaa 300  
 ggtgccttcc tgcgaggctc cggctcgagc ctggcctcgg gtcggttcac ggcccccggtg 360  
 tccggcatct tccagttctc tgccagtctg cacgtggacc acagtgagct gcagggcaag 420  
 gcccggtgc gggccccgga cgtggtgtgt gttctcatct gtattgagtc cctgtgccag 480  
 cgccacacgt gcctggagge cgtctcagge ctggagagca acagcagggc cttcacgcta 540  
 caggtgcagg ggtgctgca gctgcaggct ggacagtacg cttctgtgtt tgtggacaat 600  
 ggctccgggg ccgtcctcac catccaggcg ggctccagct tctccgggct gctcctgggc 660  
 acgcaccatc accatcacca t 681

<210> 18  
 <211> 227  
 <212> PRT  
 <213> Homo sapiens

<400> 18  
 Pro Asp Asp Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys Lys  
 1 5 10 15  
 Pro Arg Asp Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val Thr  
 20 25 30  
 Ala Glu Thr Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr  
 35 40 45  
 Glu Arg Arg Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala  
 50 55 60  
 Gly Leu Arg Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro  
 65 70 75 80  
 Arg Arg Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala  
 85 90 95  
 Pro Ala Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala  
 100 105 110  
 Ser Gly Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala  
 115 120 125  
 Ser Leu His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg  
 130 135 140  
 Ala Arg Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln  
 145 150 155 160  
 Arg His Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg  
 165 170 175  
 Val Phe Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln  
 180 185 190  
 Tyr Ala Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile  
 195 200 205  
 Gln Ala Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His His  
 210 215 220  
 His His His  
 225

<210> 19  
 <211> 660  
 <212> DNA  
 <213> Homo sapiens

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<400> 19
aagcgggtgcg gaagcagggga caagaagccg cgggatctct tcgggtccccc aggacctcca 60
ggtgcagaag tgaccgcgga gactctgctt cacgagtttc aggagctgct gaaagaggcc 120
acggagcgcc ggttctcagg gcttctggac ccgctgctgc cccagggggc gggcctgcgg 180
ctggtgggcg aggcctttca ctgcgggctg cagggtcccc gccgggtgga caagcggacg 240
ctggtggagc tgcattggtt ccaggctcct gctgccccag gtgccttcct gcgaggctcc 300
ggtctgagcc tggcctcggg tcggttcaag gccccgctgt ccggcatctt ccagttctct 360
gccagtctgc acgtggacca cagtgaagctg cagggcaagg cccggctgcg ggcccgggac 420
gtggtgtgtg ttctcatctg tattgagtc ctgtgccagc gccacacgtg cctggaggcc 480
gtctcaggcc tggagagcaa cagcagggtc ttcacgctac aggtgcaggg gctgctgcag 540
ctgcaggctg gacagtacgc ttctgtgttt gtggacaatg gctccggggc cgtcctcacc 600
atccaggcgg gctccagctt ctccgggctg ctctgaggca cgcaccatca ccatcaccat 660

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<210> 20
<211> 220
<212> PRT
<213> Homo sapiens

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<400> 20
Lys Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro
1 5 10 15

Pro Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu
20 25 30

Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu
35 40 45

Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu
50 55 60

Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr
65 70 75 80

Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe
85 90 95

Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro
100 105 110

Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser
115 120 125

Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val
130 135 140

Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala
145 150 155 160

Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln
165 170 175

Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp
180 185 190

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Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser  
 195 200 205

Gly Leu Leu Leu Gly Thr His His His His His His  
 210 215 220

<210> 21  
 <211> 654  
 <212> DNA  
 <213> Homo sapiens

<400> 21  
 tgcggaagca gggacaagaa gccgcgggat ctcttcggtc ccccaggacc tccaggtgca 60  
 gaagtgaaccg cggagactct gcttcacgag ttccaggagc tgctgaaaga ggccacggag 120  
 cgccggttct cagggttct ggacccgctg ctgccccagg gggcgggcct gcggctggtg 180  
 ggcgaggcct ttcactgccg gctgcagggt ccccgccggg tggacaagcg gacgctggtg 240  
 gagctgcatg gtttccaggc tctgctgccc caaggtgcct tctgcgagg ctccggtctg 300  
 agcctggcct cgggtcggtt caccgcccc gtgtccggca tcttccagtt ctctgccagt 360  
 ctgcacgtgg accacagtga gctgcagggc aaggcccggc tgcggggccc ggacgtggtg 420  
 tgtgttctca tctgtattga gtccctgtgc cagcgccaca cgtgcctgga ggccgtctca 480  
 ggcttgagaga gcaacagcag ggtcttcacg ctacagggtc aggggctgct gcagctgcag 540  
 gctggacagt acgcttctgt gtttgtggac aatggctccg gggcgcctc caccatccag 600  
 gcgggctcca gcttctccg gctgctcctg ggcacgcacc atcaccatca ccat 654

<210> 22  
 <211> 218  
 <212> PRT  
 <213> Homo sapiens

<400> 22  
 Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro Pro Gly  
 1 5 10 15

Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu Phe Gln  
 20 25 30

Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu Leu Asp  
 35 40 45

Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu Ala Phe  
 50 55 60

His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr Leu Val  
 65 70 75 80

Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe Leu Arg  
 85 90 95

Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro Val Ser  
 100 105 110

Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser Glu Leu  
 115 120 125

Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val Leu Ile  
 130 135 140

Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala Val Ser  
 145 150 155 160

Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln Gly Leu  
 165 170 175

Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp Asn Gly  
 180 185 190

Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser Gly Leu  
 195 200 205

Leu Leu Gly Thr His His His His His His  
 210 215

<210> 23  
 <211> 528  
 <212> DNA  
 <213> Homo sapiens

<400> 23  
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 gcctttcact gccggctgca ggggtcccgc cgggtggaca agcggacgct ggtggagctg 120  
 catggtttcc aggcctcctgc tgcccaaggt gccttcctgc gaggctccgg tctgagcctg 180  
 gcctcgggtc ggttcacggc ccccggtgctc ggcatcttcc agttctctgc cagtctgcac 240  
 gtggaccaca gtgagctgca gggcaaggcc cggctgcggg cccgggacgt ggtgtgtgtt 300  
 ctcatctgta ttgagtcctt gtgccagcgc cacacgtgcc tggaggccgt ctcaggcctg 360  
 gagagcaaca gcagggtctt cacgctacag gtgcaggggc tgctgcagct gcaggctgga 420  
 cagtacgctt ctgtgtttgt ggacaatggc tccggggccg tcctcaccat ccaggcgggc 480  
 tccagcttct cggggctgct cctgggcacg caccatcacc atcaccat 528

<210> 24  
 <211> 176  
 <212> PRT  
 <213> Homo sapiens

<400> 24  
 Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg  
 1 5 10 15

Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val  
 20 25 30

Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala  
 35 40 45

Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg  
 50 55 60

Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His  
 65 70 75 80

Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp  
85 90 95

Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr  
100 105 110

Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr  
115 120 125

Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser  
130 135 140

Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly  
145 150 155 160

Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His His His His His  
165 170 175

<210> 25  
<211> 435  
<212> DNA  
<213> Homo sapiens

<400> 25  
gtggacaagc ggacgctggt ggagctgcat ggtttccagg ctctgtctgc ccaaggtgcc 60  
ttctgctgag gctccggtct gagcctggcc tcgggtcggt tcacggcccc cgtgtccggc 120  
atcttcagat tctctgccag tctgcacgtg gaccacagtg agctgcaggg caaggcccgg 180  
ctgcggggccc gggacgtggt gtgtgttctc atctgtattg agtccctgtg ccagcgccac 240  
acgtgcctgg aggcgtctc aggcctggag agcaacagca gggctctcac gctacaggtg 300  
caggggctgc tgcagctgca ggctggacag tacgcttctg tgtttgtgga caatggctcc 360  
ggggccgtcc tcaccatcca ggcgggctcc agcttctccg ggctgtctct gggcacgcac 420  
catcaccatc accat 435

<210> 26  
<211> 145  
<212> PRT  
<213> Homo sapiens

<400> 26  
Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala  
1 5 10 15

Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly  
20 25 30

Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu  
35 40 45

His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg  
50 55 60

Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His  
65 70 75 80

Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe  
85 90 95

Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala  
100 105 110

Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala  
115 120 125

Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His His His His  
130 135 140

His  
145

<210> 27  
<211> 423  
<212> DNA  
<213> Homo sapiens

<400> 27  
acgctggtgg agctgcatgg tttccaggct cctgctgccc aagggtgcctt cctgcgagggc 60  
tccggtctga gcctggcctc gggctcggttc acggcccccg tgtccggcat cttccagttc 120  
tctgccagtc tgcacgtgga ccacagttag ctgcagggca aggcccggt gcggggcccg 180  
gacgtggtgt gtgttctcat ctgtattgag tccctgtgcc agcgccacac gtgcctggag 240  
gccgtctcag gcctggagag caacagcagg gtcttcacgc tacagggtgca ggggctgctg 300  
cagctgcagg ctggacagta cgcttctgtg tttgtggaca atggctccgg ggccgtcctc 360  
accatccagg cgggctccag cttctccggg ctgctcctgg gcacgcacca tcaccatcac 420  
cat 423

<210> 28  
<211> 141  
<212> PRT  
<213> Homo sapiens

<400> 28  
Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala  
1 5 10 15

Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala  
20 25 30

Pro Val Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His  
35 40 45

Ser Glu Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys  
50 55 60

Val Leu Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu  
65 70 75 80

Ala Val Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val  
85 90 95

Gln Gly Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val



100 105 110

Asp Asn Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe  
115 120 125

Ser Gly Leu Leu Leu Gly Thr His His His His His His  
130 135 140

<210> 29  
<211> 906  
<212> DNA  
<213> Homo sapiens

<400> 29  
atgcggcgct gggcctgggc cgcggtcgtg gtctctctcg ggccgcagct cgtgctcctc 60  
gggggcgtcg gggcccggcg ggaggcacag aggacgcagc agcctggcca gcgcgcagat 120  
cccccaacg ccaccgccag cgcgtcctcc cgcgaggggc tgcccaggc ccccaagcca 180  
tcccaggcct caggacctga gttctccgac gccacatga catggctgaa ctttgtccgg 240  
cgccggcagc acggcgcctt aaggaagcgg tgcggaagca gggacaagaa gccgcgggat 300  
ctcttcggtc ccccaggacc tccagggtga gaagtgaccg cggagactct gcttcacgag 360  
tttcaggagc tgctgaaaga ggccacggag cgcgggttct cagggttctt ggacccgctg 420  
ctgccccagg gggcgggcct gcggtggtg ggcgaggcct ttcactgccg gctgcagggt 480  
ccccgcggg tggacaagcg gacgtggtg gagctgcatg gtttcaggc tctgctgcc 540  
caagggtgct tctgcgagg ctccggtctg agcctggcct cgggtcgggt cacggcccc 600  
gtgtccggca tcttcagtt ctctgccagt ctgcacgtgg accacagtga gctgcagggc 660  
aaggcccggc tgcggggccg ggacgtggtg tgtgttctca tctgtattga gtccctgtgc 720  
cagcgccaca cgtgcctgga ggccgtctca ggcctggaga gcaacagcag ggtcttcacg 780  
ctacagggtg aggggctgct gcagctgcag gctggacagt acgcttctgt gtttgtggac 840  
aatggctccg gggccgtcct caccatccag gcgggctcca gcttctccg gctgctcctg 900  
ggcacg 906

<210> 30  
<211> 302  
<212> PRT  
<213> Homo sapiens

<400> 30  
Met Arg Arg Trp Ala Trp Ala Ala Val Val Val Leu Leu Gly Pro Gln  
1 5 10 15  
Leu Val Leu Leu Gly Gly Val Gly Ala Arg Arg Glu Ala Gln Arg Thr  
20 25 30  
Gln Gln Pro Gly Gln Arg Ala Asp Pro Pro Asn Ala Thr Ala Ser Ala  
35 40 45  
Ser Ser Arg Glu Gly Leu Pro Glu Ala Pro Lys Pro Ser Gln Ala Ser  
50 55 60  
Gly Pro Glu Phe Ser Asp Ala His Met Thr Trp Leu Asn Phe Val Arg  
65 70 75 80  
Arg Pro Asp Asp Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys  
85 90 95

Lys Pro Arg Asp Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val  
 100 105 110  
 Thr Ala Glu Thr Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala  
 115 120 125  
 Thr Glu Arg Arg Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly  
 130 135 140  
 Ala Gly Leu Arg Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly  
 145 150 155 160  
 Pro Arg Arg Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln  
 165 170 175  
 Ala Pro Ala Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu  
 180 185 190  
 Ala Ser Gly Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser  
 195 200 205  
 Ala Ser Leu His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu  
 210 215 220  
 Arg Ala Arg Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys  
 225 230 235 240  
 Gln Arg His Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser  
 245 250 255  
 Arg Val Phe Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly  
 260 265 270  
 Gln Tyr Ala Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr  
 275 280 285  
 Ile Gln Ala Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr  
 290 295 300

<210> 31  
 <211> 924  
 <212> DNA  
 <213> Homo sapiens

<400> 31  
 atgcggcgct gggcctgggc cgcggtcgtg gtcctcctcg ggccgcagct cgtgctcctc 60  
 gggggcgctcg gggcccggcg ggaggcacag aggacgcagc agcctggcca gcgcgcagat 120  
 cccccaacg ccaccgccag cgcgtcctcc cgcgaggggc tgcccagagg cccaagcca 180  
 tcccaggcct caggacctga gttctccgac gccacatga catggctgaa ctttgtccgg 240  
 cggccggacg acggcgccctt aaggaagcgg tcggaagca gggacaagaa gccgcgggat 300  
 ctcttcgggtc cccagggacc tccaggtgca gaagtgaccg cggagactct gcttcacgag 360  
 tttcaggagc tgctgaaaga ggccacggag cgcgggttct cagggttctt ggaccgctg 420  
 ctgccccagg gggcgggcct gcggctggtg ggcgaggcct ttcactgccg gctgcagggt 480  
 ccccgccggg tggacaagcg gacgctggtg gagctgcatg gtttccaggc tctgctgcc 540  
 caaggtgcct tctgcgagg ctccggtctg agcctggcct cgggtcgggt caccggcccc 600

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gtgtccggca ttttccagtt ctctgccagt ctgcacgtgg accacagtga gctgcagggc 660
aaggccccgc tgcggggccc ggacgtggtg tgtgttctca tctgtattga gtccctgtgc 720
cagcgccaca cgtgcctgga ggccgtctca ggcctggaga gcaacagcag ggtcttcacg 780
ctacaggtgc aggggctgct gcagctgcag gctggacagt acgcttctgt gtttgtggac 840
aatggctccg gggccgtcct caccatccag gcgggctcca gcttctccgg gctgctcctg 900
ggcacgcacc atcaccatca ccat 924

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<210> 32
<211> 308
<212> PRT
<213> Homo sapiens

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<400> 32
Met Arg Arg Trp Ala Trp Ala Ala Val Val Val Leu Leu Gly Pro Gln
1 5 10 15

Leu Val Leu Leu Gly Gly Val Gly Ala Arg Arg Glu Ala Gln Arg Thr
20 25 30

Gln Gln Pro Gly Gln Arg Ala Asp Pro Pro Asn Ala Thr Ala Ser Ala
35 40 45

Ser Ser Arg Glu Gly Leu Pro Glu Ala Pro Lys Pro Ser Gln Ala Ser
50 55 60

Gly Pro Glu Phe Ser Asp Ala His Met Thr Trp Leu Asn Phe Val Arg
65 70 75 80

Arg Pro Asp Asp Gly Ala Leu Arg Lys Arg Cys Gly Ser Arg Asp Lys
85 90 95

Lys Pro Arg Asp Leu Phe Gly Pro Pro Gly Pro Pro Gly Ala Glu Val
100 105 110

Thr Ala Glu Thr Leu Leu His Glu Phe Gln Glu Leu Leu Lys Glu Ala
115 120 125

Thr Glu Arg Arg Phe Ser Gly Leu Leu Asp Pro Leu Leu Pro Gln Gly
130 135 140

Ala Gly Leu Arg Leu Val Gly Glu Ala Phe His Cys Arg Leu Gln Gly
145 150 155 160

Pro Arg Arg Val Asp Lys Arg Thr Leu Val Glu Leu His Gly Phe Gln
165 170 175

Ala Pro Ala Ala Gln Gly Ala Phe Leu Arg Gly Ser Gly Leu Ser Leu
180 185 190

Ala Ser Gly Arg Phe Thr Ala Pro Val Ser Gly Ile Phe Gln Phe Ser
195 200 205

Ala Ser Leu His Val Asp His Ser Glu Leu Gln Gly Lys Ala Arg Leu
210 215 220

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Arg Ala Arg Asp Val Val Cys Val Leu Ile Cys Ile Glu Ser Leu Cys  
225 230 235 240

Gln Arg His Thr Cys Leu Glu Ala Val Ser Gly Leu Glu Ser Asn Ser  
245 250 255

Arg Val Phe Thr Leu Gln Val Gln Gly Leu Leu Gln Leu Gln Ala Gly  
260 265 270

Gln Tyr Ala Ser Val Phe Val Asp Asn Gly Ser Gly Ala Val Leu Thr  
275 280 285

Ile Gln Ala Gly Ser Ser Phe Ser Gly Leu Leu Leu Gly Thr His His  
290 295 300

His His His His  
305

<210> 33  
<211> 831  
<212> DNA  
<213> Homo sapiens

<400> 33  
cggcgggagg cacagaggac gcagcagcct ggccagcgcg cagatcccc caacgccacc 60  
gccagcgct cctcccgcga ggggtgcc gagggcccca agccatcca ggcctcagga 120  
cctgagttct ccgacgcca catgacatgg ctgaactttg tccggcggcc ggacgacggc 180  
gccttaagga agcgggtgcg aagcagggac aagaagcgc gggatctctt cgggtcccca 240  
ggacctccag gtgcagaagt gaccgaggag actctgcttc acgagtttca ggagctgctg 300  
aaagaggcca cggagcgccg gttctcaggg cttctggacc cgctgctgcc ccagggggcg 360  
ggcctgcggc tgggtgggca ggccctttcac tgccggctgc aggggtcccc cggggtggac 420  
aagcggacgc tgggtggagct gcatggtttc caggctcctg ctgcccaagg tgccttcctg 480  
cgaggctccg gtctgagcct ggccctcgggt cgggttcacgg ccccggtgtc cggcatcttc 540  
cagttctctg ccagtctgca cgtggaccac agtgagctgc agggcaaggc cgggtgcgg 600  
gcccgggacg tgggtgtgtgt tctcatctgt attgagtcct tgtgccagcg ccacacgtgc 660  
ctggaggccg tctcaggcct ggagagcaac agcagggctc tcacgctaca ggtgcagggg 720  
ctgctgcagc tgcaggctgg acagtacgct tctgtgtttg tggacaatgg ctccggggcc 780  
gtcctcacca tccaggcggg ctccagcttc tccgggctgc tctgggcac g 831

<210> 34  
<211> 277  
<212> PRT  
<213> Homo sapiens

<400> 34  
Arg Arg Glu Ala Gln Arg Thr Gln Gln Pro Gly Gln Arg Ala Asp Pro  
1 5 10 15

Pro Asn Ala Thr Ala Ser Ala Ser Ser Arg Glu Gly Leu Pro Glu Ala  
20 25 30

Pro Lys Pro Ser Gln Ala Ser Gly Pro Glu Phe Ser Asp Ala His Met  
35 40 45

Thr Trp Leu Asn Phe Val Arg Arg Pro Asp Asp Gly Ala Leu Arg Lys

50                                      55                                      60  
 Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro Pro  
 65                                      70                                      75                                      80  
 Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu Phe  
                                     85                                      90                                      95  
 Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu Leu  
                                     100                                      105                                      110  
 Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu Ala  
                                     115                                      120                                      125  
 Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr Leu  
                                     130                                      135                                      140  
 Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe Leu  
 145                                      150                                      155                                      160  
 Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro Val  
                                     165                                      170                                      175  
 Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser Glu  
                                     180                                      185                                      190  
 Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val Leu  
                                     195                                      200                                      205  
 Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala Val  
                                     210                                      215                                      220  
 Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln Gly  
 225                                      230                                      235                                      240  
 Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp Asn  
                                     245                                      250                                      255  
 Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser Gly  
                                     260                                      265                                      270  
 Leu Leu Leu Gly Thr  
                                     275

<210> 35  
 <211> 849  
 <212> DNA  
 <213> Homo sapiens

<400> 35  
 cggcgggagg cacagaggac gcagcagcct ggccagcgcg cagatccccc caacgccacc 60  
 gccagcgcg cctccgcga ggggctgccc gaggcccca agccatccca ggcctcagga 120  
 cctgagttct ccgacgccca catgacatgg ctgaactttg tccggcggcc ggacgacggc 180  
 gccttaagga agcgggtgcgg aagcagggac aagaagccgc gggatctctt cgggtcccca 240  
 ggacctccag gtgcagaagt gaccgcggag actctgcttc acgagtttca ggagctgctg 300

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aaagaggcca cggagcgccg gttctcaggg cttctggacc cgctgctgcc ccagggggcg 360
ggcctgcggc tgggtgggga ggcctttcac tgccggctgc aggggtcccc cggggtggac 420
aagcggacgc tgggtggagct gcatggtttc caggctcctg ctgccaagg tgccttcctg 480
cgaggctccg gtctgagcct ggcctcgggt cggttcacgg ccccgctgtc cggcatcttc 540
cagttctctg ccagtctgca cgtggaccac agtgagctgc agggcaaggc cgggctgcgg 600
gcccgggacg tgggtgtgtgt tctcatctgt attgagtcct tgtgccagcg ccacacgtgc 660
ctggaggccg tctcaggcct ggagagcaac agcagggtct tcacgctaca ggtgcagggg 720
ctgctgcagc tgcaggctgg acagtacgct tctgtgtttg tggacaatgg ctccggggcc 780
gtcctcacca tccaggcggg ctccagcttc tccgggctgc tctggggcac gcaccatcac 840
catcaccat 849

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<210> 36
<211> 283
<212> PRT
<213> Homo sapiens

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<400> 36
Arg Arg Glu Ala Gln Arg Thr Gln Gln Pro Gly Gln Arg Ala Asp Pro
1 5 10 15

Pro Asn Ala Thr Ala Ser Ala Ser Ser Arg Glu Gly Leu Pro Glu Ala
20 25 30

Pro Lys Pro Ser Gln Ala Ser Gly Pro Glu Phe Ser Asp Ala His Met
35 40 45

Thr Trp Leu Asn Phe Val Arg Arg Pro Asp Asp Gly Ala Leu Arg Lys
50 55 60

Arg Cys Gly Ser Arg Asp Lys Lys Pro Arg Asp Leu Phe Gly Pro Pro
65 70 75 80

Gly Pro Pro Gly Ala Glu Val Thr Ala Glu Thr Leu Leu His Glu Phe
85 90 95

Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly Leu Leu
100 105 110

Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly Glu Ala
115 120 125

Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg Thr Leu
130 135 140

Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala Phe Leu
145 150 155 160

Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala Pro Val
165 170 175

Ser Gly Ile Phe Gln Phe Ser Ala Ser Leu His Val Asp His Ser Glu
180 185 190

Leu Gln Gly Lys Ala Arg Leu Arg Ala Arg Asp Val Val Cys Val Leu
195 200 205

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Ile Cys Ile Glu Ser Leu Cys Gln Arg His Thr Cys Leu Glu Ala Val  
 210 215 220

Ser Gly Leu Glu Ser Asn Ser Arg Val Phe Thr Leu Gln Val Gln Gly  
 225 230 235 240

Leu Leu Gln Leu Gln Ala Gly Gln Tyr Ala Ser Val Phe Val Asp Asn  
 245 250 255

Gly Ser Gly Ala Val Leu Thr Ile Gln Ala Gly Ser Ser Phe Ser Gly  
 260 265 270

Leu Leu Leu Gly Thr His His His His His His  
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<223> Primer 21M13

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